



Noble Earth Technologies

Graffiti Guard Part A

MATERIAL SAFETY DATA SHEET

COMPANY DETAILS

Company Name & Address: Noble Earth Technologies
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Hazardous according to the criteria of Worksafe Australia.

I IDENTIFICATION

Product Name: Noble Earth Technologies Graffiti Guard Part A
Other Names: Correct Shipping Name is RESIN SOLUTION, flammable
Product Code: None.
UN No: 1866
Hazchem Code: 3[Y]
Dangerous Goods Class: 3 Flammable liquids.
Sub Risk Class: None allocated.
Packaging Group: III
EPG: 3A1
Poison Schedule: S6
Chemical Family: Polymeric resin in liquid hydrocarbon solution.
Uses: Part A of a two part anti graffiti sealant.

Physical Appearance & Properties

Appearance & Odour: Clear, colourless viscous liquid. Characteristic aromatic odour.
Melting/softening point: No specific data. Liquid at normal temperatures.
Boiling point and vapour pressure: No data.
Volatile materials: No specific data. Expected to be about 70% at 100°C.
Flashpoint: 41°C
Specific gravity: 1.04
Solubility in water: Insoluble.
Corrosiveness: Not corrosive.

<u>Ingredients:</u> Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m ³	STEL mg/m ³
2-ethoxy ether acetate	111-15-9	20-30	27	not set
xylene	1330-20-7	30-60	350	655
acrylate/methacrylate/styrene copolymer	secret	20-30	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Acute Effects:

Swallowed: Data suggests that this product is harmful if swallowed.

Eye: Data suggests that this product should present no significant problems to typical persons if used as intended.

Skin: Data suggests that this product may be absorbed through the skin and be harmful by skin absorption. Major skin exposure may lead to health problems. This product is irritating to skin. It is likely to cause discomfort and effects such as moderate to severe itchiness, blistering and skin reddening.

Inhalation: Data suggests that this product is harmful if inhaled. Minor or short term exposure may lead to short term health problems, although long term exposure may lead to permanent health problems.

First Aid:

If poisoning occurs, contact a Doctor or Poisons Information Centre.

If swallowed, do NOT induce vomiting. Give a glass of water.

Eyes: If product gets in eyes, wash eyes to remove material. No further measures should normally be required.

Skin: If product gets on skin, immediately remove contaminated clothing and wash skin thoroughly with soap and water to remove material. If you begin to feel unwell, seek medical attention. If product gets on skin, immediately remove contaminated clothing and wash skin with soap and water for at least 15 minutes. If irritation persists, seek medical attention.

Inhalation: If vapours, mists or dusts have been inhaled, and irritation or unusual symptoms have developed, remove to fresh air and observe until recovered. If irritation or symptoms persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Risk Phrases are: R10, R38, R20/21/22. Flammable. Irritating to skin. Harmful by inhalation, in contact with skin, and if swallowed.

Exposure Standards:

A time weighted average (TWA) has been established for 2-ethoxy ether acetate, present in significant quantities in this product. This value is 27mg/m³. The corresponding STEL level is "not set". The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. See ingredients section on page 1 of this data sheet.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

The following instructions are meant for people coming into frequent and lengthy contact with this product. For occasional use, take precautions suitable for the conditions under which the product is being used.

Respiratory Protection: If there is a significant chance of dusts, vapours or mists accumulating in the area where this product is being used, a mask or respirator should be used. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves: Impermeable protective gloves should be worn when you are using this product, since absorption through the skin is harmful. Impermeable protective gloves should be worn when you are using this product. Failure to do so will lead to irritation of the skin. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing: This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Clean overalls or protective clothing should be worn, preferably with an apron. Consult AS2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Safety Phrases are: S16, S20, S29, S38, S24/25. Keep away from sources of ignition - No smoking.

When using, do not eat or drink. Do not empty into drains. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

Storage & Transport

This product is classed as UN1866, Dangerous Goods Class 3 Flammable liquids. Correct Shipping name is RESIN SOLUTION, flammable. Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Poisonous Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Poisonous Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Ton-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Poisonous Substances, except where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

This product is a S6 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

Spills & Disposals

In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. Wear full protective chemically resistant clothing including face mask, face shield, gauntlets and self contained breathing apparatus. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If material enters drains, advise emergency services.

This material may be suitable for approved landfill. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Fire & Explosion Hazard

There is a moderate risk of an explosion from this product if it is involved in a fire. Firefighters should take care and appropriate precautions.

Flashpoint: 41°C

Flammability limits: No data.

Extinguishing Media: carbon dioxide, dry chemical, foam, water fog.

Special Fire Fighting procedures: If a significant quantity of this product is involved in a fire, call the fire brigade. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat goggles and self contained breathing apparatus. All skin areas should be covered. Ensure that no spillage enters drains or water courses.

Unusual Fire & Explosion Hazards: Fire decomposition products from this product may form toxic mixtures in confined spaces.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

Materials to avoid: strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

National Poisons Information Centre: Dial 13 1126 (from anywhere in Australia)

This MSDS prepared by Kilford & Kilford Pty Ltd, March, 2005

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